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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,113	07/10/2001	R. Terry K. Baker	1.902.12	8204
26000	7590 06/17/2004		EXAMINER	
HENRY E. NAYLOR & ASSOCIATES P.O. BOX 86060			HENDRICKSON, STUART L	
BATON ROUGE, LA 70879-6060		ART UNIT	PAPER NUMBER	
			1754	
			DATE MAILED: 06/17/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.		
Office Action Summary	Examiner		Art Unit
-The MAILING DATE of this communication app	ears on the cover s	heet beneath the correspo	ndence address—
Period for Reply	$\gamma$		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SE OF THIS COMMUNICATION.	T TO EXPIRE	MONTH(S) FROM	THE MAILING DATE
<ul> <li>Extensions of time may be available under the provisions of 37 CF from the mailing date of this communication.</li> <li>If the period for reply specified above is less than thirty (30) days,</li> <li>If NO period for reply is specified above, such period shall, by defative to reply within the set or extended period for reply will, by set</li> </ul>	FR 1.136(a). In no event, I a reply within the statutor ault, expire SIX (6) MONT	however, may a reply be timely file y minimum of thirty (30) days will b	od after SIX (6) MONTHS  De considered timely.
Status Id. 2			
Responsive to communication(s) filed on	104		
This action is FINAL.			
<ul> <li>Since this application is in condition for allowance exce accordance with the practice under Ex parte Quayle, 1</li> </ul>	ept for formal matters, 935 C.D. 1 1; 453 O.	, prosecution as to the mer G. 213.	its is closed in
Disposition of Claims			w.
12 Claim(s) 9-10		is/are pending i	n the application.
Of the above claim(s)	is/are withdraw		
□ Claim(s)			
□ Claim(s) ☑ Claim(s) ☐ Claim(s)		is/are rejected	
□ Claim(s)			to
□ Claim(s)			
Application Papers		requirement.	same non or election
☐ See the attached Notice of Draftsperson's Patent Draw	ring Review PTO-049	2	
	is □ appro		
☐ The drawing(s) filed on is/are obj			
☐ The specification is objected to by the Examiner.			
☐ The oath or declaration is objected to by the Examiner.			
Priority under 35 U.S.C. § 119 (a)-(d)			
<ul> <li>□ Acknowledgment is made of a claim for foreign priority</li> <li>□ All □ Some* □ None of the CERTIFIED copies of received.</li> </ul>			
☐ received in Application No. (Series Code/Serial Num	nber)	_	
$\hfill \square$ received in this national stage application from the Ir	nternational Bureau (F	PCT Rule 1 7.2(a)).	
*Certified copies not received:			
Attachment(s)			
☐ Information Disclosure Statement(s), PTO-1449, Paper	No(s)	☐ Interview Summary, PTC	<b>)-413</b>
		•	
□ Notice of Reference(s) Cited, PTO-892		☐ Notice of Informal Patent	Application, PTO-15

U. S. Patent and Trademark Office PTO-326 (Rev. 9-97)

Part of Paper No.\_\_\_\_

Application/Control Number: 09/902,113

Art Unit: 1754

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 9-11, 15-17 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Audier et al. article.

Audier teaches on pgs. 220-221 and 223 in particular conical-faceted shaped nanotubes, which are crystalline. Although the product is not described identically, no differences are seen due to the similarity in synthesis and structure reported. The surface groups are present by virtue of the well known reactivity of edge groups with air.

Claims 11-14, 17-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Audier et al. taken with Kaner et al.

Audier does not explicitly teach surface groups, however Kaner teaches introducing groups to functionalize the fibers to make them more useful. Note in particular column 10; the examiner takes Official Notice that the claimed groups are old and known and described as groups on carbon fibers.

Claims 9-11, 13-17, 19, 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rodriguez et al. 5653951.

Rodriguez teaches in columns 3 and 11 what appears to be the same product; choosing top have the planes aligned with the fiber axis is an obvious expedient, as it is suggested by the reference. The surface groups are present by virtue of the well known reactivity of edge groups with air.

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Claims 9-11, 13-17, 19, 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baker et al. 5618875.

Baker teaches in column 11 what appears to be the same product; choosing to make the planes parallel to the fiber axis is an obvious expedient, as it is suggested by the reference. The surface groups are present by virtue of the well known reactivity of edge groups with air.

Applicant's arguments filed 4/14/04 have been fully considered but they are not persuasive.

Audier physically depicts the claimed structure, so the arguments are not accepted. Applicant can scarcely prove that the disclosed synthesis is the 'only' one that works- unless all are tried. Rather, the synthesis of the references should be duplicated and the product analyzed in a Declaration.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication should be directed to examiner Hendrickson at telephone number (571) 272-1351.

Stuart Hendrickson examiner Art Unit 1754